

SOLAR USAGE NOW



SUN EQUINOX HEATING SYSTEMS



3 Questions

- Feasible
- Cost Effective
- Return On Investment

Solar Hot Water

Solar Collectors

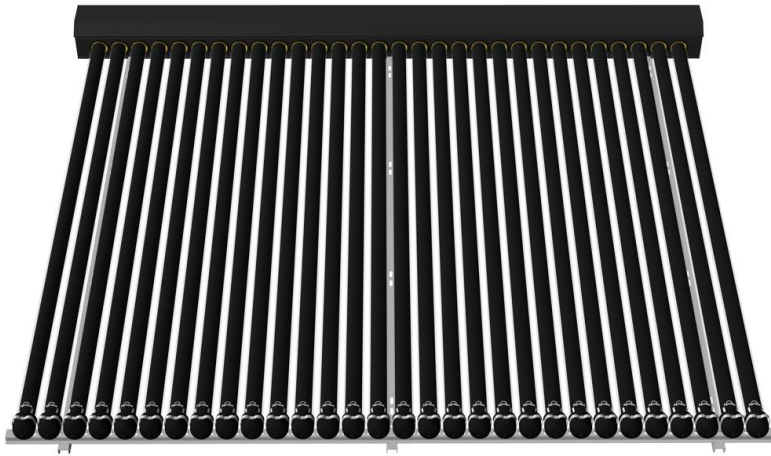


Drain Back or Glycol

Solar Collectors

Comparison

Evacuated Tube Collector



Flat Plate Collector



Solar Collectors

“Percentage of energy
provided
by the solar collector that
replaces traditional
fossil fuels.”

Solar Fraction

Not 100% Efficient

	Sunny Day	Cloudy Day	Very Cloudy Day
Evacuated Tube Collector	40,000 BTU's	29,000 BTU's	18,000 BTU's
Flat Plate Collector	38,000 BTU's	26,000 BTU's	14,000 BTU's

Comparison

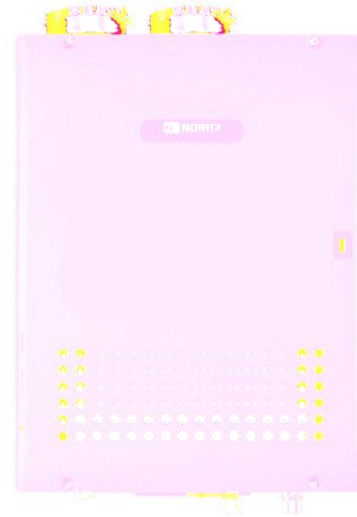
Heaters



Comparison

- Condensing
- Modulating
- PVC Vented
- Manifolded

Together



Noritz



QuietSide

e

Heaters

Rotex Tank



Turn-Key (pre-built) Energy Efficient Solutions



Residential Hot Water Projects



Commercial Hot Water Projects

SUN Solutions

SUN EQUINOX HEATING SYSTEMS

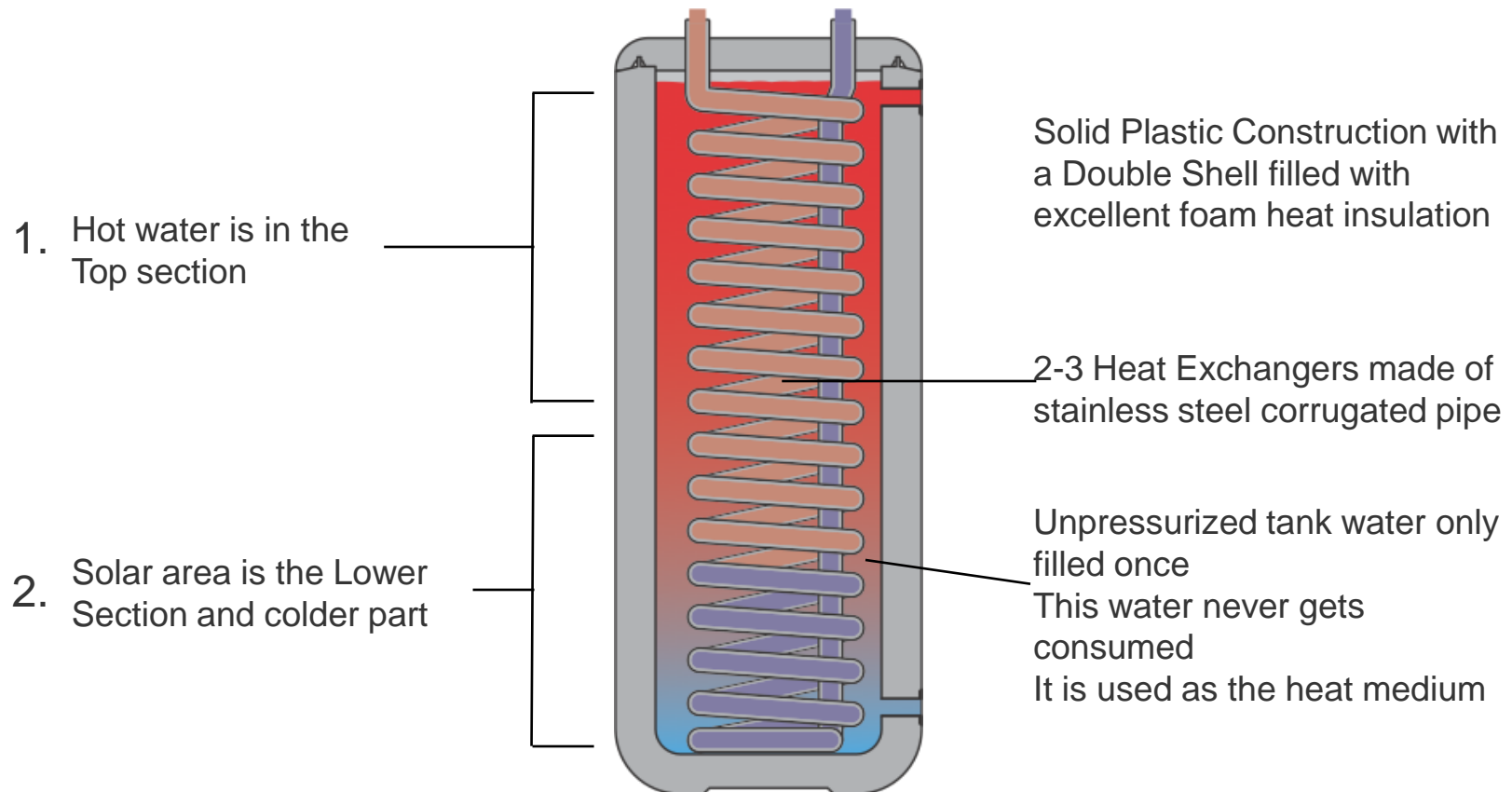
Advantages

- Insulated
- Plastic (non-corrosive)
- Legionella Proof
- Heat Exchanger
- Easy Install



Rotex Tank

Two Main Sections



Tank Construction

More Production



Stainless Steel Heat Exchanger

0.3mm thin

corrugated strength (145 psi)

increased coil length

high efficient heat exchange rate

self-cleaning

Heat Exchangers

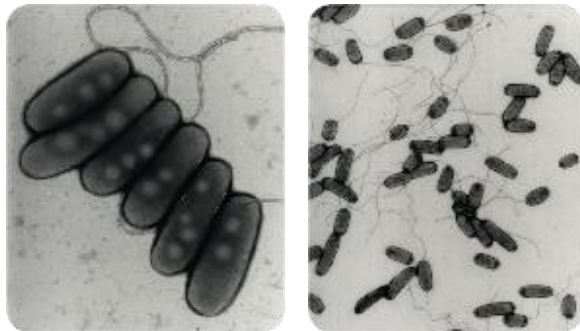
Anit-Legionella Storage Tank

What is Legionella Disease

35 types of Legionella bacteria, at least 17 produce illness

-Pontiac fever (flu-like symptoms which subside after a few days)

-Legionella Disease (bacterial lung infection) 15-20% result in death



Legionella

Solution

- Rotex Sanicube ensures optimum inherent water-hygienic properties
- Low flow sections eliminated
- Domestic hot water entirely contained in piping system

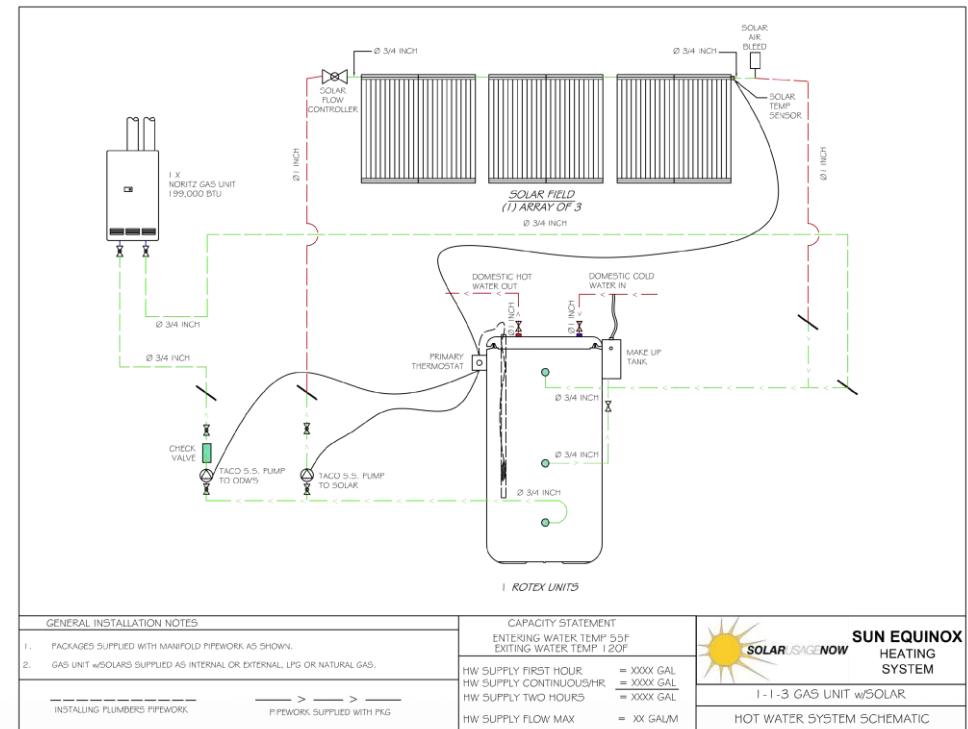
Advantages

Complete Tank Assembly

Engineered Specifications

Saves Time & Money

Portable



Turn-Key (pre-built) Systems

SUN EQUINOX HEATING SYSTEMS

1000'S WORLD-WIDE



Novotel Darling Harbour Study

525 Room Hotel Replaced boilers
and calorifier system and pre-
heated via condenser water.

**Saves up to 40% on Gas and
Payback Approx. 3 years.**



Specs

12 Rotex Sanicubes
12 Bosch Boilers
Desuperheater from
AC Unit

Australia

POOL HEATING



Options

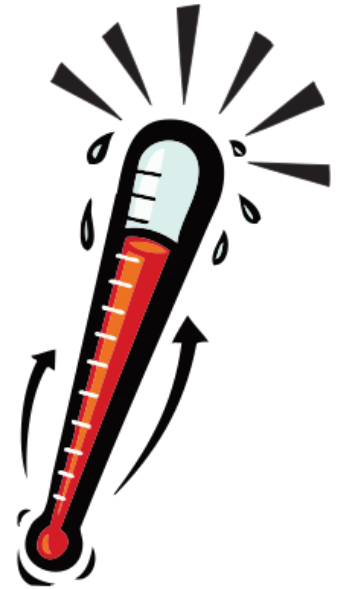


Indoor Pools



Outdoor Pools

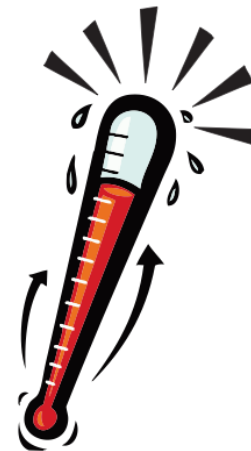
Pool Heating



RAISING TEMPERATURE LOWERING COST

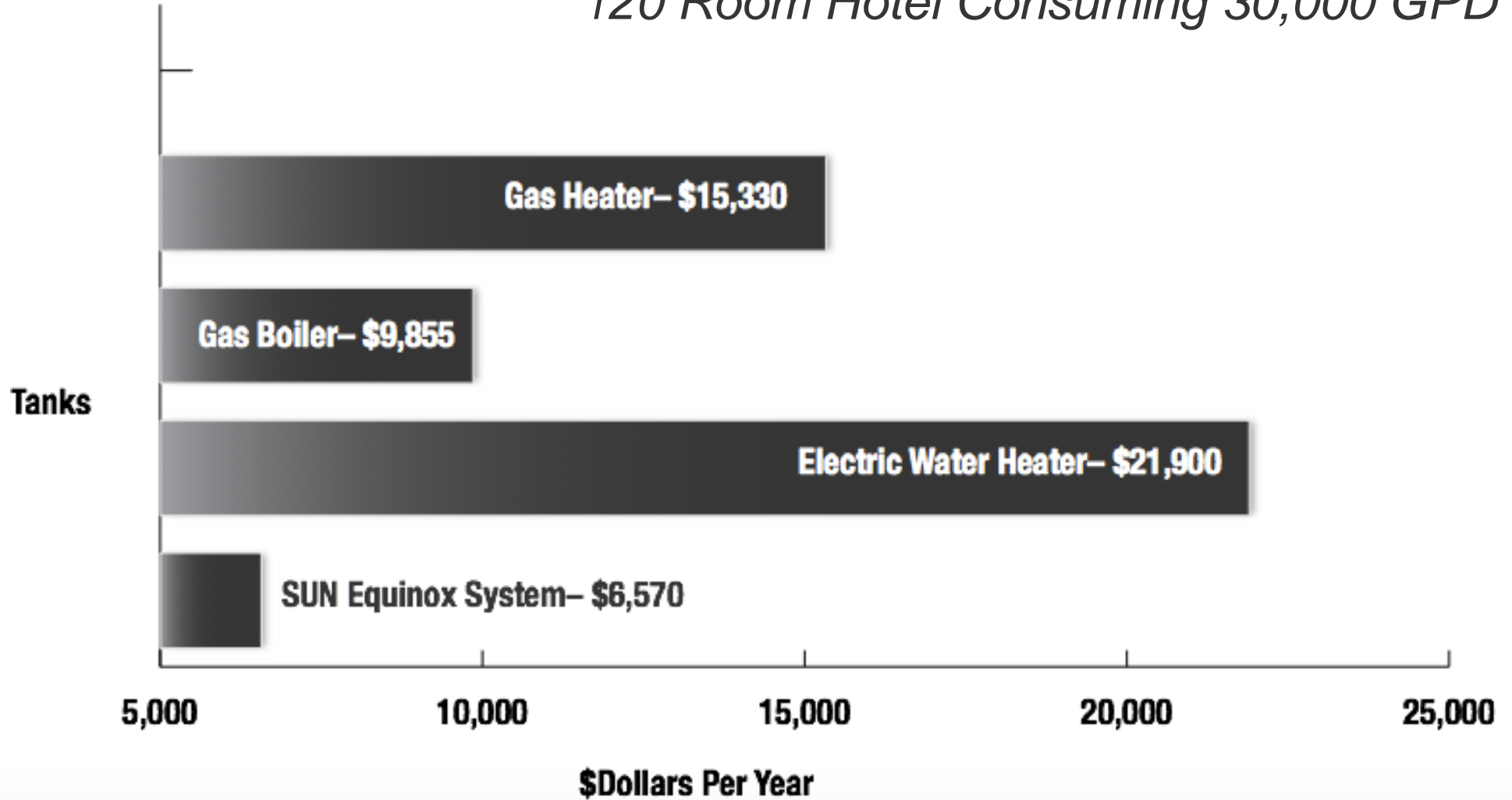


“The Higher the Efficiency
the Lower the Cost to Heat a
Gallon of Water.”



Cost Factors

120 Room Hotel Consuming 30,000 GPD



Example

SUN EQUINOX HEATING SYSTEMS

Law of Diminishing Return

Federal and State Governments offers are enticing to “load up” on collectors to take advantage of the incentives but...

...over sizing and over production produces.

- *excessive heat which leads to water loss*
- *wasted energy*
- *reduction on your ROI*

Over Sizing

PAY AS YOU GO



Ways to Save

- Municipal Leasing
- Small/Medium Business Leasing
- Power Purchase Agreements
- Non-Profit

Pay as You Go

RETURN ON INVESTMENT



2-5 years based on 4 factors

- Unit Cost
- Depreciation
- Energy Savings
- State/Federal Credits

ROI
